PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		See Notification of Transmittal of International					
	FOR FURTHER ACTION	Preliminary Examination Report (Form PCT/IPEA/416)					
4024-4032PC International application No.	International filing date (day/mor	nth/year) Priority date (day/month/year)					
	28 June 2002 (28.06.2002)	29 June 2001 (29.06.2001)					
PCT/USO2/22084 International Patent Classification (IPC)	or national classification and IPC						
	·						
IPC(7): G02B 6/36 and US Cl.: 385/53 Applicant							
XANOPTIX, INC.							
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.							
2. This REPORT consists of	2. This REPORT consists of a total of 3sheets, including this cover sheet.						
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
These annexes consist of a total of \mathcal{Y} sheets.							
3. This report contains indic	ations relating to the following	items:					
I Basis of the rep	port						
II Priority							
III Non-establishm	nent of report with regard to no	velty, inventive step and industrial applicability					
IV Lack of unity of							
V Reasoned state	V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial						
F-7	applicability; citations and explanations supporting such statement						
l ==	VI Certain documents cited						
<u> </u>							
VIII Certain observations on the international application							
Date of submission of the demand	Date	e of completion of this report					
27 February 2003 (27.02.2003)		16 April 2003 (16.04.2003)					
Name and mailing address of the IPEA	/US Auti	Authorized officer Sharm S. Happe Khiem Nguyen					
Commissioner of Patents and Tradem Box PCT	arks	em Nguyen					
Washington, D.C. 20231 Facsimile No. (703)305-3230	Tele	ephone No. 703 308 0956					
Facsimile No. (703)303-3230							

Form PCT/IPEA/409 (cover sheet)(July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/USO2/22084

I.	asis of the report	
	Fith regard to the elements of the international application:*	
	the international application as originally filed.	
	the description:	
	pages 1-38 as originally filed	
	pages NONE, filed with the demand pages NONE, filed with the letter of	
	 	
	the claims:	
	pages 39-43 , as originally filed pages NONE , as amended (together with any statement) under Article 19	
	magaz NONE filed with the demand	
	pages NONE, filed with the letter of	ĺ
	the drawings:	İ
	pages 1-29 , as originally filed	
	pages NONE , filed with the demand pages NONE , filed with the letter of	
	the sequence listing part of the description:	l
	the sequence using part of the description.	
	pages NONE, as originally filed pages NONE, filed with the demand, filed with the letter of	
2	With regard to the language, all the elements marked above were available or furnished to this Authority in the anguage in which the international application was filed, unless otherwise indicated under this item.	
	anguage in which the international application was five, unless observed anguage which is: These elements were available or furnished to this Authority in the following language which is:	
	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).	
	the language of publication of the international application (under Rule 48.3(b)).	
	the language of publication of the international apparents (and the language of the translation furnished for the purposes of international preliminary examination (under Rules)	
	55 2 and/or 55 3)	
٠,	Which are not to any prochatide and/or amino acid sequence disclosed in the international application, the	
1	international preliminary examination was carried out on the basis of the sequence listing:	1
	contained in the international application in printed form.	١
	filed together with the international application in computer readable form.	
1	furnished subsequently to this Authority in written form.	
	furnished subsequently to this Authority in computer readable form.	١
1	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the	١
١	international application as filed has been furnished.	١
	The statement that the information recorded in computer readable form is identical to the written sequence listing	g
	has been furnished.	
	The amendments have resulted in the cancellation of:	
	the description, pages NONE	
	the claims, Nos. NONE	
	the drawings, sheets/fig NONE	
	The state of the s	İ
١		
	office of the company to all invitation under Atticle 14 are referred to	n
	Replacement sheets which have been furnished to the receiving Office in response to this internal (Rules 70.16 and 70.17). is report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.	
	Any replacement sneet conduiting such differential made of Agricultures	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/USO2/22084

V. Reasoned state citations and ex	 Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 					
1. STATEMENT				*ZE0		
Novelty	(N)	Claims Claims		YES NO		
Inventiv	e Step (IS)	Claims Claims		YES NO		
Industria	al Applicability (IA)	Claims Claims	1-44 NONE	YESNO		

2. CITATIONS AND EXPLANATIONS

Claims 1-44 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a light guide device and method of forming the light guide device in a high refractive index material forming a guide structured defining a cavity with wall and treating the high refractive index material with a reactive gas to cause the wall to become a cladding material having a low refractive index and filling the cavity with an optically transparent material having a refractive index sufficiently higher than that of the cladding.

Claims 1-44 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

Form PCT/IPEA/409 (Box V) (July 1998)